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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/720,097	11/25/2003	Miwa Kozawa	032132	4454
38834 7590 02/18/2011 WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP 1250 CONNECTICUT AVENUE, NW SUITE 700			EXAMINER	
			CHACKO DAVIS, DABORAH	
WASHINGTON, DC 20036			ART UNIT	PAPER NUMBER
			1722	
			NOTIFICATION DATE	DELIVERY MODE
			02/18/2011	ELECTRONIC

# Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)
	10/720,097	KOZAWA ET AL.
Office Action Summary	Examiner	Art Unit
	DABORAH CHACKO DAVIS	1722
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL' WHICHEVER IS LONGER, FROM THE MAILING D.  Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication.  If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATIO 36(a). In no event, however, may a reply be ti will apply and will expire SIX (6) MONTHS fror a, cause the application to become ABANDON	N. imely filed n the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
1) ■ Responsive to communication(s) filed on <u>01 D</u> 2a) ■ This action is <b>FINAL</b> . 2b) ■ This     3) ■ Since this application is in condition for allowal closed in accordance with the practice under E	action is non-final. nce except for formal matters, pr	
Disposition of Claims		
4) Claim(s) 1-5,7,10-20 and 22 is/are pending in 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) 1-5,7,10-20,22 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o	wn from consideration.	
Application Papers		
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the drawing(s) be held in abeyance. Setion is required if the drawing(s) is of	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applica rity documents have been receiv u (PCT Rule 17.2(a)).	tion No ved in this National Stage
Attachment(s)	» <b>—</b>	(07.0.440)
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO/SB/08)</li> <li>Paper No(s)/Mail Date</li> </ol>	4) Interview Summar Paper No(s)/Mail [ 5) Notice of Informal 6) Other:	Date

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### **DETAILED ACTION**

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on December 1, 2010, has been entered.

## Claim Rejections - 35 USC § 112

- 2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

  The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claims 1-5, 7, 10-19, 20, 22, are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1, at lines 3-4, Claim 20, at lines 3-4, and Claim 22, at lines 3-4, recite "applying a surfactant composition consisting of a first surfactant and a solvent on the resist pattern to be thickened". Applicant introduced the transitional phrase "consisting of" that precludes any other elements or constituents to be present in the surfactant composition other than that which is claimed in claim 1, claim 20, and claim 22. However, the recitation that the surfactant composition consisting of a first surfactant implies that applicant includes other constituents such as a second surfactant as evidenced by claim 7 i.e., Applicant is claiming two surfactants and not adhering to the newly introduced transitional phrase. Applicant is required to either add the second

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surfactant in the independent claim or cancel "the first surfactant" or remove the transitional phrase. It is therefore not clear as what surfactant composition is being applied on the resist pattern to thicken the resist pattern i.e., whether the surfactant composition includes two or more surfactants along with the solvent or whether the surfactant composition has only one surfactant and a solvent. Appropriated correction is required.

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## Response to Arguments

4. Applicant's arguments, see Amendment, and Remarks, filed October 29, 2010, with respect to claims 1, 20, and 22, have been fully considered and are persuasive. The 35 U.S.C. 103(a) rejection of claims 1-5, 7, 10-20, 22, has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made over claims 1-5, 7, 10-19, 20, 22. See paragraph no. 3, above.

#### Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daborah Chacko-Davis whose telephone number is (571) 272-1380. The examiner can normally be reached on M-F 9:30 - 6:00. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia H. Kelly can be reached on (571) 272-1526. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status

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information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Daborah Chacko-Davis/ Primary Examiner, Art Unit 1722

February 14, 2011.